Applicant: Reiter and Witte U.S. Serial No.: 09/038,261 Filing date: March 10, 1998

Page: 2

In the instant patent application, applicants claim the priority of provisional applications 08/814,279 (filed March 10, 1997), 60/071,141 (filed January 12, 1998), and 60/074,675 (filed February 13, 1998).

In a Filing Receipt, dated October 11, 2000, the Patent Office assigned a new serial number for 08/814,279; the new serial number is 60/228,816. The assignment of the new serial number does not affect the priority of 60/228,816 (formerly 08/814,279). Applicants provide a copy of the Filing Receipt which contained the newly assigned serial number (enclosed herein as Exhibit 2; one page).

The changes contained in the revised Declarations are merely to correct a typographical error and, therefore, do not involve new matter. Entry of the revised Declarations is respectfully requested.

No fee is deemed necessary in connection with the filing of this Petition. If any fee is necessary, the Patent Office is authorized to charge any additional fee to Deposit Account No. 50-0306.

Respectfully submitted,

Sarah B. Adriano Reg. No. 34,470

Roberta D. German

Reg. No. 43,902

Patent Practitioners for Applicants

Mandel & Adriano

35 No. Arroyo Parkway, Suite 60

Pasadena, California 91103

626/395-7801

Customer #:26,941

EXHIBIT 1

Original, executed Declarations (6 pages)

Amendment of the Declarations and Petition Under 37 C.F.R. §1.312

MANDEL & ADRIANO

United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I as named below) of the subject CELL ANTIGEN	n the original, first and sole inventor matter which is claimed and for wh	(if only one name is listed belich a patent is sought on the in	low) or a joint inventor (if plural inventors are vertion entitled: PSCA: PROSTATE STEM
The specification of which a. is attached hereto	0, 1998 as application serial no. 09/0)	26 any 5
filed application) described and for which I solicit a Uni	and claimed in international no.	filed and as amenda.	(if any), which I have reviewed
I hereby state that I have rev any amendment referred to a	riewed and understand the contents on above.	f the above-identified specific	ation, including the claims, as amended by
I acknowledge the duty to di Federal Regulations, § 1.56		to the patentability of this app	plication in accordance with Title 37, Code of
certificate listed below and l	ty benefits under Title 35, United St nave also identified below any foreig basis of which priority is claimed:	ates Code, § 119/365 of any for application for patent or investigation.	oreign application(s) for patent or inventor's entor's certificate having a filing date before
a. no such applications hb. such applications hav	nave been filed. e been filed as follows:		·
	FOREIGN APPLICATION(S), IF ANY,	, CLAIMING PRIORITY UNDER	35 USC § 119
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
ALL	FOREIGN APPLICATION(S), IF ANY,	FILED BEFORE THE PRIORITY	APPLICATION(S)
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
I hereby claim the benefit un	der Title 35, United States Code, § 1	120/365 of any United States a	and PCT international application(s) listed

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)
60/228,816	March 10, 1997
60/071,141	January 12, 1998
60/074,675	February 13, 1998

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Sarah B. Adriano

Reg. No. 34,470

SaraLynn Mandel

Reg. No. 31,853

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Mandel & Adriano to the contrary.

Please direct all correspondence in this case to Mandel & Adriano at the address indicated below:

Mandel & Adriano 35 N. Arroyo Parkway, Suite 60 Pasadena, California 91103 Customer No.: 26941



I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

	Full Name	Family Name	First Given Name	Second Given Name
2	Of Inventor	Reiter	Robert	E.
)	Residence	City	State or Foreign Country	Country of Citizenship
	& Citizenship	Los Angeles	California	USA
1	Post Office	Post Office Address	City	State & Zip Code/Country
	Address	10511 Kinnard Avenue	Los Angeles	California 90024-6017/USA
				שטאוגוו
	Full Name	Family Name	First Given Name	Second Given Name
2	Full Name Of Inventor			
		Family Name	First Given Name	Second Given Name
	Of Inventor	Family Name Witte	First Given Name Owen	Second Given Name N.
2 0	Of Inventor Residence	Family Name Witte City	First Given Name Owen State or Foreign Country	Second Given Name N. Country of Citizenship
0	Of Inventor Residence & Citizenship	Family Name Witte City Sherman Oaks	First Given Name Owen State or Foreign Country California	Second Given Name N. Country of Citizenship USA

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim

that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:

or

- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

MANDEL & ADRIANO

United States Patent Application





As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: PSCA: PROSTATE STEM **CELL ANTIGEN** The specification of which a. is attached hereto b. Mass filed on March 10, 1998 as application serial no. 09/038,261 and was amended on (if applicable) (in the case of a PCTfiled application) described and claimed in international no. filed and as amended on (if any), which I have reviewed and for which I solicit a United States patent. I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (attached hereto). I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed: a. no such applications have been filed. b. such applications have been filed as follows:

	1	FOREIGN APPLICATION(S), IF ANY	CLAIMING PRIORITY UNDER	35 USC § 119
COUNTRY		APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
	ALL F	OREIGN APPLICATION(S), IF ANY,	FILED BEFORE THE PRIORITY	APPLICATION(S)
COUNTRY	- 4.º	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below:

U.S. PROVISIONAL APPLICATION NUMBER	DATE OF FILING (Day, Month, Year)
60/228,816	March 10, 1997
60/071,141	January 12, 1998
60/074,675	February 13, 1998

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Sarah B. Adriano

Reg. No. 34,470

SaraLynn Mandel

Reg. No. 31,853

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/ organization who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Mandel & Adriano to the contrary.

Please direct all correspondence in this case to Mandel & Adriano at the address indicated below:

Mandel & Adriano
35 N. Arroyo Parkway, Suite 60
Pasadena, California 91103
Customer No.: 26941

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

	Full Name	Family Name	First Given Name	Second Given Name
2	Of Inventor	Reiter	Robert	E.
0	Residence	City	State or Foreign Country	Country of Citizenship
	& Citizenship	Los Angeles	California	USA
1	Post Office	Post Office Address	City	State & Zip Code/Country
	Address	10511 Kinnard Avenue	Los Angeles	California 90024-6017/USA
Sign	ature of Inventor 2	201:		Date:
Sign	1			
	Full Name Of Inventor	Family Name Witte	First Given Name Owen	Second Given Name N.
2	Full Name	Family Name	First Given Name	Second Given Name
2	Full Name Of Inventor	Family Name Witte	First Given Name Owen	Second Given Name N.
Sign	Full Name Of Inventor Residence	Family Name Witte City	First Given Name Owen State or Foreign Country	Second Given Name N. Country of Citizenship

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim

that is canceled or withdrawn from consider. On need not be submitted if the information is negmaterial to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.
- (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and
 - (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
 - (1) Each inventor named in the application:

or

- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

EXHIBIT 2

Copy of Filing Receipt (1 page)

Amendment of the Declarations and Petition Under 37 C.F.R. §1.312



UNITED STATES PATENT AND TRADEMARK OFFICE

GRP ART UNIT

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231

FIL FEE REC'D ATTY.DOCKET.NO DRAWINGS TOT CLAIMS IND CLAIMS

APPLICATION NUMBER 60/228.816

FILING DATE 03/10/1997

200

220002057500

6

MANDEL & ADRIANO 35 N. ARROYO PARKWAY SUITE 60 PASADENA, CA 91103 FILING RECEIPT

OC000000005465867

Date Mailed: 10/11/2000

Receipt is acknowledged of this provisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

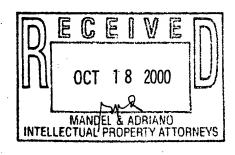
Applicant(s)

ROBERT E. REITER, BEVERLY HILLS, CA; OWEN WITTE, SHERMAN OAKS, CA;

Continuing Data as Claimed by Applicant

Foreign Applications

If Required, Foreign Filing License Granted 10/11/2000



Title

PROSTATE STEM CELL ANTIGEN-1, PSCA-1, A PROSTATE CANCER MARKER AND TARGET FOR ANTICANCER AGENTS

Preliminary Class

Data entry by : ROBINSON, BETTY

Team: OIPE

Date: 10/11/2000

E TOURT BLOCK FROM THE RESIDENCE COME THE RESIDENCE OF THE RESIDENCE FROM THE RESIDENCE F

Dkt. 30435.54USU1/SBA/RDG

+22 CA 4/4/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

Robert Reiter and Owen Witte

Serial No.

09/038,261

Examiner: Dr. Larry Helms

Filed

March 10, 1998

Group Art Unit: 1642

For

PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF

35 N. Arroyo Parkway Pasadena, California 91103 February 22, 2001

Honorable Assistant Commissioner for Patents Washington, D.C. 20231

Sir/Madam:

RESPONSE TO THE REQUIREMENT FOR FILING FORMAL FIGURES IN THE NOTICE OF ALLOWANCE AND ISSUE FEE DUE

The Notice of Allowance and Issue Fee Transmittal Forms, dated November 27, 2000, have been issued for the above-identified patent application, and a response is due February 27, 2001.

In the Notice of Allowability, paper 19, the Patent Office alleges that applicants have not submitted formal figures. Applicants contend that the formal figures were submitted to the Patent Office on October 31, 2000. Applicants provide herein, a copy of the formal figures which were submitted to the Patent Office, including a copy of the return postcard which accompanied the formal figures (enclosed herein as Exhibit 1; 26 pages). The Patent Office date-stamped the postcard "November 6, 2000" and returned it to applicants.

Applicant: Reiter and Witte U.S. Serial No.: 09/038,261 Filed: March 10, 1998

Page: 2

Additionally, applicants verified that the Patent Office received the formal figures, in a telephone call with the Examiner on January 16, 2001.

If any issues remain in connection with the formal figures, the Examiner is encouraged to contact the undersigned by telephone to discuss the same.

No fee is deemed necessary in connection with the filing of this Response. If any fee is necessary, the Patent Office is authorized to charge any additional fee to Deposit Account No. 50-0306.

Respectfully submitted,

Sarah B. Adriano

Registration No. 34,470

Roberta D. German

Registration No. 43,902

Patent Practitioners for Applicants

Mandel & Adriano

35 N. Arroyo Parkway

Pasadena, California 91103

(626) 395-7801

Customer #:26,941

Complete and mail-this form, together with

Box ISSUE FEE Assistant Commissioner for P Washington, D.C. 20231

MAILING INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE. Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Issue Fee Receipt, the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

MANDEL AND ADRIANO 35 NO ARROYO PARKWAY SUITE 60 PASADENA CA 91103



Note: The certificate of mailing below can only be used for domestic mailings of the Issue Fee Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing.

... Certificate of Mailing

I hereby certify that this issue Fee Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above on the date indicated below.

Renato Marco P. Domingo (Depositors namo) (Signature)

February 22, (2001 TOTAL CLAIMS (Date) FILING DATE APPLICATION NO. **EXAMINER AND GROUP ART UNIT** DATE MAILED 09/038,261 03/10/98 005 HELMS, L 1642 11/27/00 First Named Applicant REITER, 35 USC 154(b) term ext. 0 Days.

PSCA: PROSTATE STEM CELL ANTIGEN INVENTION

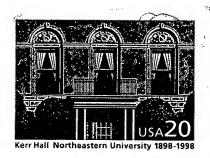
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PTO/S8/122) attached.		Address* Indication form PTO		member a and the name	registere les of up agents. I	d attorney or agent to 2 registered pater if no name is listed, n	2 The		Offices (K. Sharp	
PLEASE NO Inclusion of the PTO or i filing an assi	TE: Unless an i assignee data is is being submitti gnment.	assigne s only ap ad undle	E DATA TO BE PRINTED ON a sis identified below, no assignment oppopulate when an assignment of separate cover: Completion Regents of t	ee data will appe has been previo of this form is NC	par on the patent. usly submitted to OT a substitue for	0110 XEX	e following fees are of Patents and Tradems Issue Fee Advance Order - # o	anks):	check paya	tble to Commission	ner
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individual		_	nee category indicated below (r other private group entity	will not be printed government	on the patent)		Issue Fee Advance Order - # o	i Copies	5	· · · · · · · · · · · · · · · · · · ·	•
The COMMISSI	ONER OF PAT	ENTS A	ND TRADEMARKS IS reques	ted to apply the I	ssue Fee to the a	optication	identified above.				
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	assignee or oth		ted from anyone other than the in interest as shown by the re					8			
to complete the Office, Washing	the needs of th is form should agton, D.C. 200 END FEES AI	e indivi be ser 231. DC ND THI	is estimated to take 0.2 hou dual case. Any comments of it to the Chief Information C D NOT SEND FEES OR CO S FORM TO: Box Issue Fe	on the amount of Officer, Patent a OMPLETED FOI	f time required Ind Trademark RMS TO THIS						
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			TRANS	MIT THIS	FORM WIT	H FE	E	5 5		11	

EXHIBIT 1

Copies of formal figures for 09/038,261(26 pages)

Response to the Requirement for Filing Formal Figures in the Notice of Allowance





MANDEL & ADRIANO

INTELLECTUAL PROPERTY ATTORNEYS
35 No. Arroyo Parkway, Suite 60
Pasadena, California 91103

أحولا والتراان والطباط والإرسال التنالية المسالة

Receipt is hereby acknowledged for the following in the U.S. Patent and Trademark Office:
In re Application of Robert E. Reiter and Owen N. Witte
For: PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF
Docket No.: 30435:54USU1
Serial No.: 09/038,261
Filed: March 10, 1998

Due Date:
Date Mailed: October 31, 2000

Transmittal sheet in duplicate in Certificate of Mailing Submission of Formal Drawings 21 sheets of formal drawings Return Postcard

Patent



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Robert E. Reiter and Owen N. Witte

Examiner:

L. Helms

Serial No.:

08/038,261

Group Art Unit:

1642

Filed:

March 10, 1998

Docket:

30435.54USU1

Notice of

Allow. Date:

Due Date:

Title:

PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope

addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on October 31, 2000.

Renato Marco P. Domingo

Box Official Draftsperson Assistant Commissioner for Patents Washington, D.C. 20231

Sir

We are transmitting herewith the attached:

☐ Transmittal Sheet in duplicate containing Certificate of Mailing

Submission of Formal Drawings

21 sheets of formal drawings

Return postcard

Please charge any additional fees or credit overpayment to Deposit Account No. 50-0306. A duplicate of this sheet is enclosed.

MANDEL & ADRIANO

35 No. Arroyo Parkway, Suite 60 Pasadena, California 91103 (626)395-7801 Name: Sarah B. Adriano

Reg. No.: 34,470 Initials: SBA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:

Robert E. Reiter and Owen N. Witte

Examiner:

L. Helms

Serial No.:

08/038,261

Group Art Unit:

1642

Filed:

March 10, 1998

Docket:

30435.54USU1

Notice of Allow. Date:

Due Date:

Title:

PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described hereinabove, are being deposited in the United States Postal Service, as first class mail, in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on October 31, 2000.

By: Renato Marco P. Doming

Box Official Draftsperson Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

Transmittal Sheet in duplicate containing Certificate of Mailing

Submission of Formal Drawings

21 sheets of formal drawings

Return postcard

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MANDEL & ADRIANO

35 No. Arroyo Parkway, Suite 60 Pasadena, California 91103 (626)395-7801 Name: Sarah B. Adriano

Reg. No.: 34,470 Initials: SBA

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

R. Reiter et al.

eiter et al. Examiner:

L. Helms

Serial No.:

09/038,261

Group Art Unit:

1642

Filed:

March 10, 1998

Docket No.:

30435.54USU1

Title:

PSCA: PROSTATE STEM CELL ANTIGEN AND USES THEREOF

CERTIFICATE UNDER 37 CFR 1.8:

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on October 31, 2000.

FEB 2 6 2001 2

Renato Marco Domingo

SUBMISSION OF FORMAL DRAWINGS

Assistant Commissioner for Patents Attn: Official Draftsman Washington, D.C. 20231

Dear Sir:

Submitted herewith are 21 sheets of Formal Drawings for completion of this application, and in compliance with the requirements of the Official Communication from the Examiner dated December 6, 1999.

Respectfully submitted,

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FIG. 1A

```
agggagaggc agtgaccatg aaggctgtgc tgcttgccct gttgatggca
     ggcttggccc tgcagccagg cactgccctg ctgtgctact cctgcaaagc
 51
101
     ccaggtgagc aacgaggact gcctgcaggt ggagaactgc acccagctgg
151
     qqqaqcaqtq ctgqaccgcg cgcatccgcg cagttggcct cctgaccgtc
     atcagcaaag gctgcagctt gaactgcgtg gatgactcac aggactacta
201
     cgtgggcaag aagaacatca cgtgctgtga caccgacttg tgcaacgcca
251
301
     gcggggccca tgccctgcag ccggctgccg ccatccttgc gctgctccct
351
     qcactcqqcc tqctqctctq qgqacccqqc cagctataqq ctctqqqgq
401
     cccqctqca gcccacactg ggtgtggtgc cccaggcctt tgtgccactc
451
     ctcacagaac ctggcccagt gggagcctgt cctggttcct gaggcacatc
501
     ctaacgcaag tttgaccatg tatgtttgca ccccttttcc ccnaaccctg
551
     accttcccat gggccttttc caggattccn accnggcaga tcagttttag
     tganacanat ccgcntgcag atggcccctc caaccntttn tgttgntgtt
601
651
     tccatggccc agcattttcc acccttaacc ctgtgttcag gcacttnttc
701
     ccccaggaag ccttccctgc ccaccccatt tatgaattga gccaggtttg
751
     gtccgtggtg tcccccgcac ccagcagggg acaggcaatc aggagggccc
     agtaaaggct gagatgaagt ggactgagta gaactggagg acaagagttg
801
851
     acqtqaqttc ctgggagttt ccagagatgg ggcctggagg cctggaggaa
901
     ggggccaggc ctcacatttg tggggntccc gaatggcagc ctgagcacag
951
     cgtaggccct taataaacac ctgttggata agccaaaaaa aaaaaaaa
```

FIG. 1B

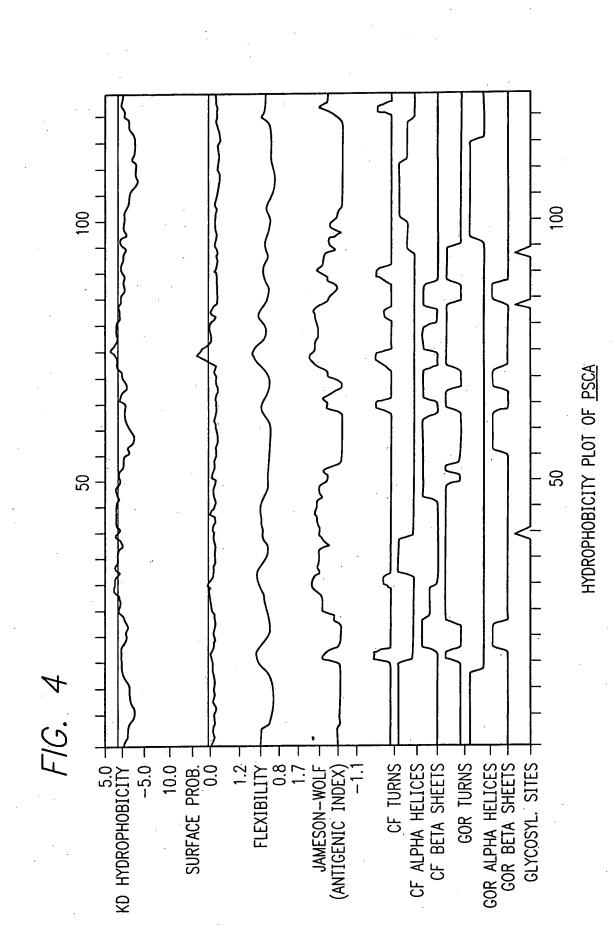
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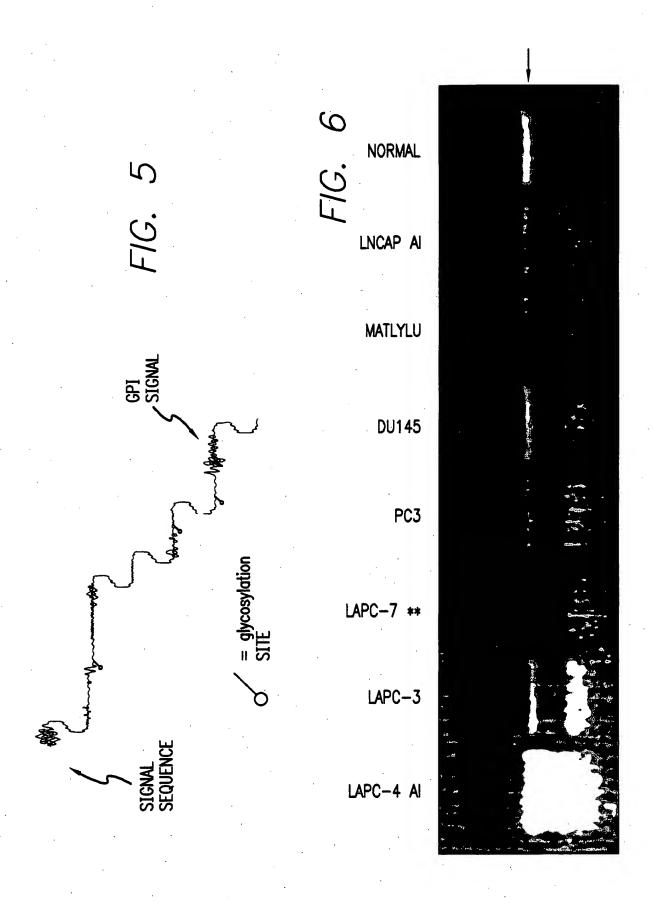
FIG. 2

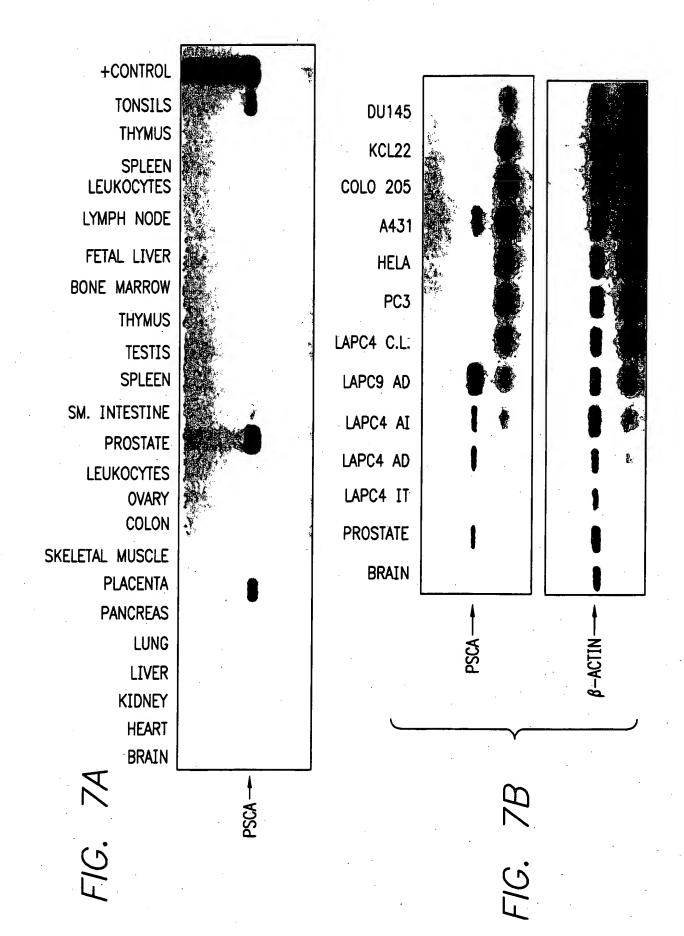
М	K	Т	٧	F	F	I	L	L	Α	T	Y	L	Α	L	Н	P	. G	Α	Α
																			AGAA
																			тстт
L	Q	С	Υ	S	С	T	A	Q	M	N	Ŋ	R	D	С	L	N	٧	Q	N
																			TGAC.
																			ACTG
С	S	.L	D	Q	Н	. \$	С	F	T	S	R	I	R	Α	I	G	L	V	T
G٦																			rggg
CA																			ACCC
٧	Ī	S	K	G	С	S	S	Q	С	E	D	D	S	Ε	N	Υ	Y	L	G
ΑA	.GAA	.GAA	CAT	CAC	GTG														ССТ
TT	CTT	ctt	-+- GTA	GTG	CAC														GGA
	K	N	I	T	. C	С	Y	S	D	L	С	N	٧	N	G	·A	Н	Т	L
K																			CTC
AA																			GAG
ΑA 	CGG					G	1	L	T	٧	L	C	S	L	L	L	W	G	S
AA TT	CGG		T	T	L	u	-												
AA TT K	CGG P CCG	P TCT(GTA	GGC	тст	GGG	AGA												
AA TT K AG	CGG P CCG	P TCT(GTA -+-	GGC	TCT	GGG +	AGA			+			_+_			+			GCA

FIG. 3

```
MKIFLPVLLAALLGVERASS
                                      hSCA-2
   MKAVUL ALLMAGLALORGTA
1
                                      hPSCA
             LLATYLALHPGAA
   M KITIV LIF
                                      mPSCA
1
  LMCFSCLNQKSN*LYCLKPTI
  L L C Y S C K A Q V S N*E D C L Q V E N*
L Q C Y S C T A Q M N N*R D C L N V Q N*
41 CSDQDNYCVTVSASAGIGNL
41 CTQLGEQCWTARIRAVGLLT
41 CSLDQHSCFTSRIRAIGLVT
61 VTFGHSLSKTCSPACPIPEG
      61
   V N V G V A S M G I S C C Q S F L C N*F
   D Y Y V G K K - N*I T C C D T D L C N*A
N Y Y L G K K - N*I T C C Y S D L C N*V
101 S A A D G G L R A S V T L L G A G L L L
95 S.GAHALQPAAAILALLPALG
  NGAHTLKPPTTLGLLT
121 SILIPALLRFGP
115 L L W G P G Q L - -
115 L L W G S S R
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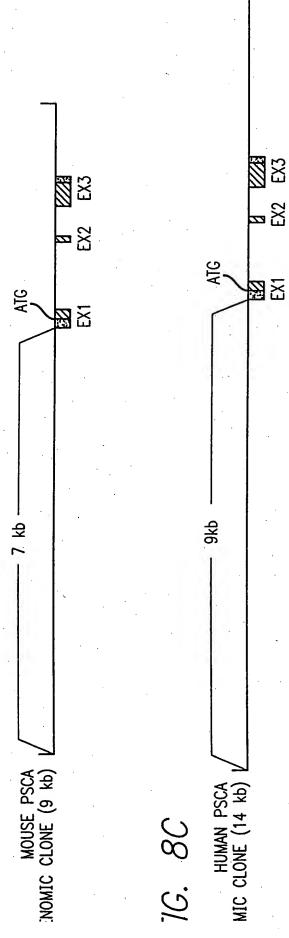


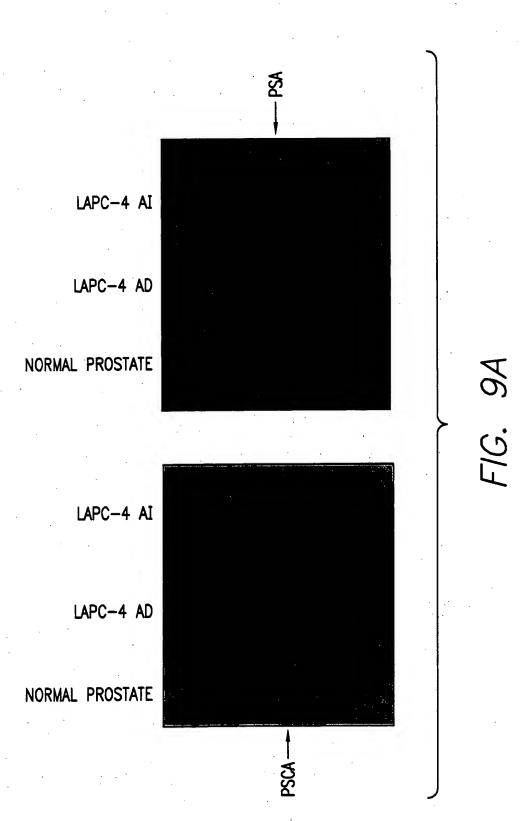




Z X Ξ FIG. 8A Ly-6/THY-1 GENE

-1G. 8B





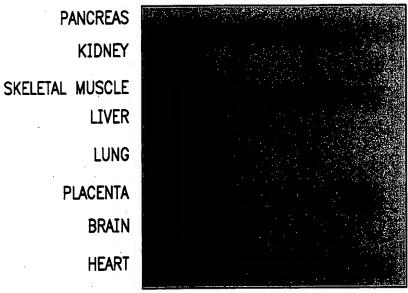


FIG. 9B

PERIPHERAL LEUKOCYTES

COLON

SMALL INTESTINE

OVARY

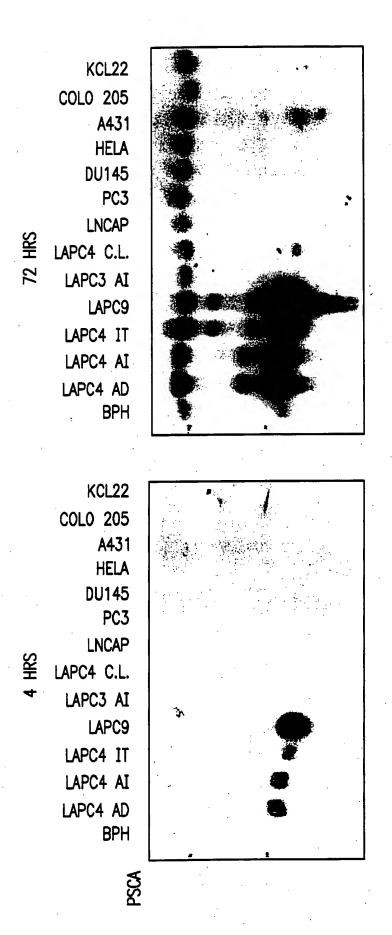
TESTIS

PROSTATE

THYMUS

SPLEEN

PSCA



F/G. 10-1

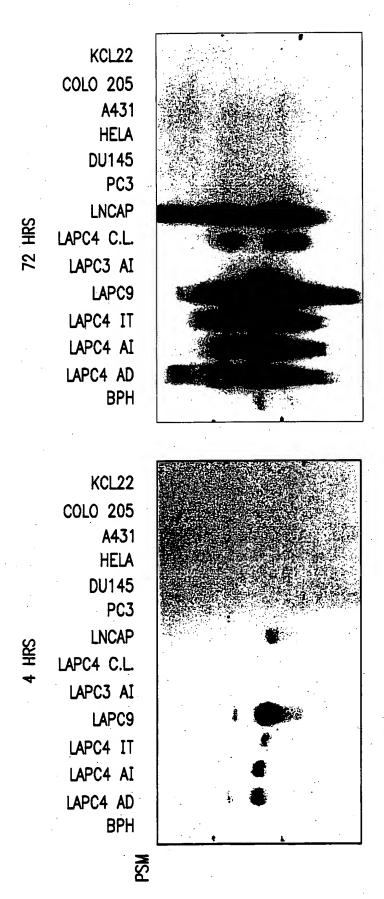
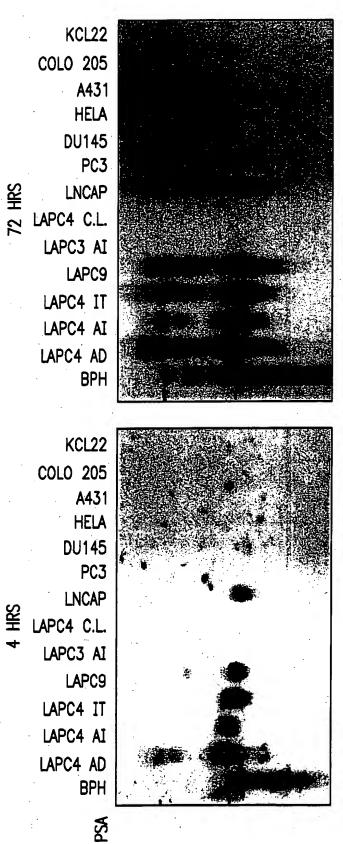
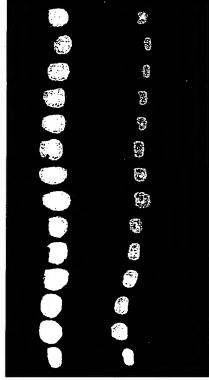


FIG. 10-2

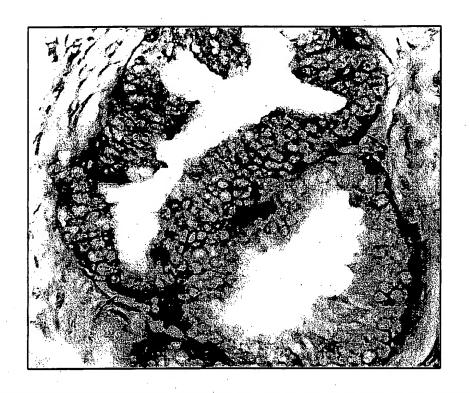




ETBR

FIG. 10-3

FIG. 11A



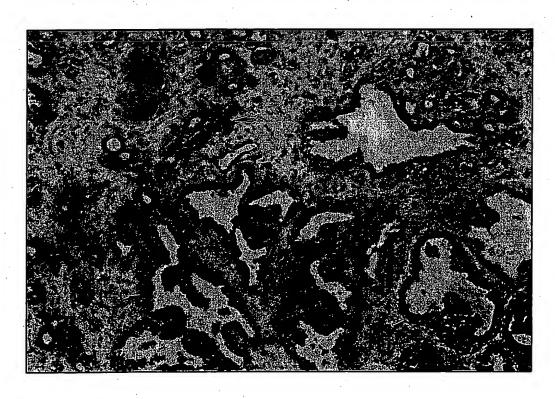


FIG. 11B



FIG. 11C

FIG. 12B

SECRETED

CELL ASSOCIATED

O GLYCOSIDASE

N GLYCOSIDASE F

CONTROL

FIG. 1.

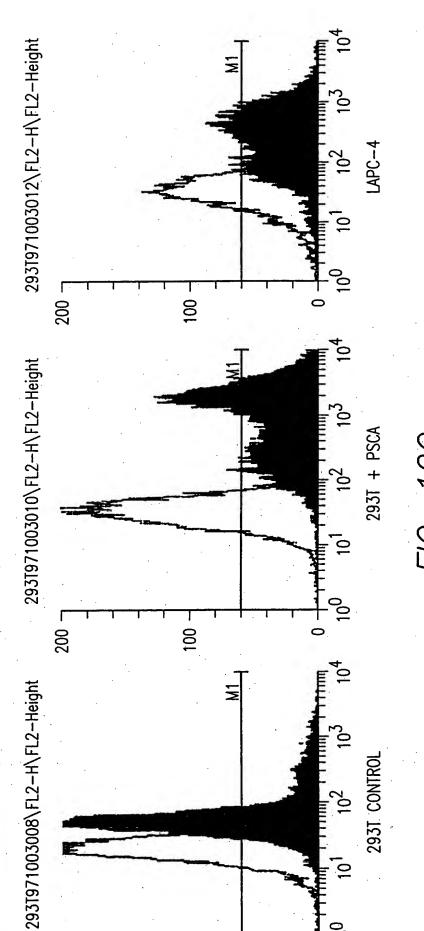
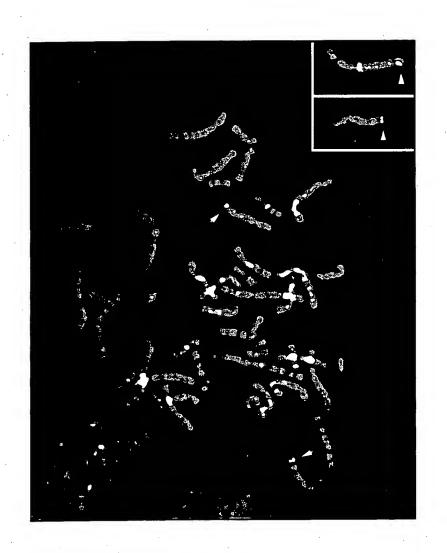


FIG. 12C



mouse polyclonal - mAB 3E6 FIG. 14A 10² FL1-Н

· mouse polyclonal FIG. 14B FL1-H -mAb 1G8 CONTROL

FIG. 14C

